

Effective, safe tranquillizer

mellaril®

THIORIDAZINE

cuts out
side-effects

for
mental disorders
seen in
• general practice
• psychiatry
• paediatrics

advantages of **mellaril®** over other phenothiazines

- ▲ more specific action on C.N.S.
- ▲ virtually free of all side-effects
- ▲ as effective as the best available
- ▲ no initial "keyed-up" feeling
- ▲ no depressive effect, no masking anti-emetic effect

dosage guide

psycho-neurotics in office practice
non-hospitalized psychotics
hospitalized psychotics
behaviour problems in children

usual

10 mg. t.i.d.
25 mg. b.i.d.
25 mg. t.i.d.
100 mg. t.i.d.
10 mg. b.i.d.

range

(30-50 mg.)
(75-200 mg.)
(200-800 mg.)
(20-40 mg.)

SANDOZ PHARMACEUTICALS, DORVAL, P.Q.

7962



THE CANADIAN MEDICAL ASSOCIATION
JOURNAL
LE JOURNAL DE
L'ASSOCIATION MÉDICALE CANADIENNE

Editorial Office—150 St. George St., Toronto 5

General Secretary's Office—150 St. George St., Toronto 5

SUBSCRIPTION RATES

The Journal is supplied to paid-up members of the Canadian Medical Association as a perquisite of membership. Medical libraries, hospitals, and individuals may subscribe to the Journal at \$12.00 a year, payable in advance. There is a special rate for medical students residing in Canada of \$2.50 a year. Subscriptions and all relative correspondence should be addressed to the Subscription Department, Canadian Medical Association Journal, 150 St. George Street, Toronto 5, Ontario.

INSTRUCTIONS TO CONTRIBUTORS

Manuscripts: Manuscripts of original articles, case reports, short communications, and special articles should be submitted to the Editor at the C.M.A.J. editorial office, 150 St. George St., Toronto, with a covering letter requesting consideration for publication in the *Journal*. Acceptance is subject to the understanding that they are submitted solely to this *Journal*, and will not be reprinted without the consent of both the Editor and the author. Articles should be typed on one side only of unruled paper, double-spaced and with wide margins. Carbon copies cannot be accepted. The author should always retain a carbon copy of material submitted. Every article should contain a summary of the contents.

The Editor reserves the right to make the usual editorial changes in manuscripts; these include such changes as are necessary to ensure correctness of grammar and spelling, clarification of obscurities or conformity to *Journal* style. In no case will major changes be made without prior consultation with the author. Authors will receive galley proofs of articles before publication, and are asked to confine alterations of such proofs to a minimum.

Reprints may be ordered on a form supplied with galley proofs.

References: Authors should limit references to published work to the minimum necessary for guidance to readers wishing to study the subject further. They should not quote articles they have never seen. Except in review articles, the maximum number of references should not be more than 25. References should be numbered in the text and should be set out in a numbered list at the end of the article, thus:

1. DOAKES, J.: *M. J. Kamchatka*, 1: 2, 1955, giving in order: (1) Author's name and initials in capitals. Where more than three authors are concerned in an article, only the first should be named, with *et al.* as reference to the others. (2) Quarterly Cumulative Index Medicus abbreviation of journal name. (3) Volume number. (4) Page number. (5) Year.

References to books should be set out as follows:

PICKWICK, S., *Textbook of Medicine*, Jones and Jones, London, 1st ed., p. 30, 1955.

Illustrations: Photographs should be glossy prints, unmounted and untrimmed, preferably not larger than 10 by 8 inches. Colour work can be published only at the author's expense. Magnification of photomicrographs must always be given. Photographs must not be written on or typed on. Identification can be made by pasting an identifying legend on the back. Patients must not be recognizable in illustrations, unless the written consent of the subject to publication has been obtained. Graphs and diagrams should be drawn in india ink on suitable white paper. Legends to all illustrations should be typed separately from the text of the article. Illustrations should not be rolled or folded.

CLASSIFIED ADVERTISEMENTS

Please send copy to the Advertising Department, Canadian Medical Association Journal, 150 St. George Street, Toronto 5, Ontario.

Rates: \$5.00 for each insertion of 40 words or less, additional words 10c each.

If a box number is required, there will be an additional charge of 50c on the first advertisement to cover postage and handling charges.

Classified advertisements must be at the office of the Journal not later than three weeks prior to date of issue.

Office Space

MEDICAL SUITE FOR SALE.—Splendid location, Bayview and Moore. 5 rooms, air-conditioned. Light and janitor service included, \$200. Professional offices in the building. Male doctor preferred. Apply 416 Moore Ave., Room 102, Toronto 17, Ontario.

MEDICAL-DENTAL SUITE, sparkling new, air-conditioned, architect designed. Off-street parking. 4 rooms, \$90 a month. Apply 1000 Dovercourt Rd., or phone LEEnox 4-9258 in Toronto.

FOR RENT.—Long established (45 years) doctor's office available in good location in Niagara Falls. For further information write or telephone W. T. McCallum, Q.C., Niagara Falls, EL. 4-3052.

Positions Wanted

GENERAL SURGEON, 35, married, Canadian graduate and internship. Completing residency in U.S.A. June, 1960. Eligible for Canadian certification and American Board of Surgery. Desires association with a surgeon or group. Willing to do some general practice. Reply to Box 795, CMA Journal, 150 St. George Street, Toronto 5, Ontario.

OBSTETRICIAN, GYNÆCOLOGIST.—Canadian born and graduate. London and New York training. Fellowship eligible. Considerable general practice experience. Would like to associate with individual, group or purchase practice. Available immediately. Reply to Box 918, CMA Journal, 150 St. George Street, Toronto 5, Ontario.

CANADIAN F.R.C.S. in general surgery with thoracic training. Age 35. General practice and industrial experience. Association with established surgeon or group desired. Available, September 1960. Reply to Box 906, CMA Journal, 150 St. George Street, Toronto 5, Ontario.

CERTIFIED OPHTHALMOLOGIST.—Age 35, married, six years' successful practice in large city. Wishes to relocate in a smaller Ontario city. Willing to associate with another eye or E.N.T. man; clinic or group. Reply to Box 928, CMA Journal, 150 St. George Street, Toronto 5, Ontario.

E.N.T.—38 years old, male, married with one child. Has had considerable training and experience with E.N.T. practice. Qualified to practise and eligible for certification in Canada. Wish practice with a group or as a partner anywhere in Canada. Reply to Box 929, CMA Journal, 150 St. George Street, Toronto 5, Ontario.

CERTIFIED SURGEON with large general practice in Niagara Peninsula, wishes to associate with an experienced general practitioner. Willing to work. Approximate area population 10,000, 10 minutes from new 250-bed open hospital. Remuneration will be excellent if the above requirements are fulfilled. Duties to commence about March 1st, 1961. Reply to Box 930, CMA Journal, 150 St. George Street, Toronto 5, Ontario.

FEMALE PHYSICIAN.—Age 36, married, European graduate, L.M.C.C., registered in Ontario, multilingual, wishes medical, or medical administrative position with regular hours in Toronto. Reply to Box 931, CMA Journal, 150 St. George Street, Toronto 5, Ontario.

ANÆSTHESIOLOGIST.—35, English, at present working in a university hospital in New York State, recently served as specialist in anæsthesia with the R.C.A.F. for three years, wishes to join a group in Canada. Reply to Box 932, CMA Journal, 150 St. George Street, Toronto 5, Ont.

CERTIFIED INTERNIST ELIGIBLE.—Fellowship. Age 39. Eleven years in successful practice. Wishes to relocate. Association with an internist or group desired. A large centre in eastern Canada preferred. Good working knowledge of French. Eventual partnership desired. Reply to Box 876, CMA Journal, 150 St. George Street, Toronto 5, Ontario.

Positions Vacant

PATHOLOGIST REQUIRED to direct laboratory services at the Swift Current Union Hospital (155 beds), also to supervise services in a group of small hospitals in the region. Must be experienced histopathologist. Regional tissue service provides 2500 surgical specimens annually. Canadian certification or eligibility preferred. Salary in the range \$15,000-\$20,000 per annum. Applications will be received by Regional Hospital Coordinator, Southwest Regional Hospital Council, 162-1st Avenue N.W., Swift Current, Saskatchewan.

ASSISTANT IN GENERAL PRACTICE to assist general surgeon and another general practitioner in suburban Toronto. Salary and car expenses. Reply to Box 635, CMA Journal, 150 St. George Street, Toronto 5, Ontario.

ASSISTANT MEDICAL HEALTH OFFICER.—Applications are invited for the position of assistant medical health officer of the city of Regina. Applicant must be licensed to practice medicine in the province of Saskatchewan or eligible for registration there. Should possess a diploma or master's degree in public health. Applications should state age, qualifications, training and date available. References should also be given. Applications and enquiries should be directed to the Personnel Department, City Hall, Regina, Saskatchewan.

OPPORTUNITIES FOR A DOCTOR IN VAUXHALL, ALBERTA.—Very good prospects of a 25-bed hospital upon establishment of resident doctor service. Present hospital facilities 23 miles south. Population of Vauxhall is presently 950 and growing (in 1950 only 300). The trading area extending 25 miles east, west and north only, and not cutting into other hospital areas, contains 6000 population. Vauxhall is the progressive centre of this rich, densely irrigated agricultural area (200,000 acres under irrigation in above area), with established industry and prospects of more industry. It is the headquarters of the Bow River irrigation project (nearing completion), and the PFRA soils drainage lab and station for western Canada and the irrigation research farm are established here. All utilities, power, gas, water, and sewer, latest phone service, highway and rail service. For further information contact, James W. Muza, Secretary, Box 312, Vauxhall, Alberta.

WANTED.—Assistant to complete busy four-man general practice group in southern Ontario. Position available at once, but will hold to October for suitable person. Preference for recent Canadian, male, married graduates. Excellent training and experience in all aspects of general practice, including obstetrics, paediatrics, surgery, and anaesthesia. New 100-bed hospital. Salary \$650 per month and full car allowance. Vacation with pay. Interview to be arranged. Reply giving full particulars, including recent photo and phone number, to Box 911, CMA Journal, 150 St. George Street, Toronto 5, Ontario.

\$800 MONTHLY plus car and phone expenses, month's vacation with pay yearly, for generalist with interest in anaesthesia. Ideal northwestern Ontario town. Rapid advancement for the right man. Reply to Box 920, CMA Journal, 150 St. George Street, Toronto 5, Ontario.

LOCUMS NEEDED for October. All expenses paid plus \$750 salary. Reply to Box 921, CMA Journal, 150 St. George Street, Toronto 5, Ontario.

ASSISTANT WANTED at once for general practice in Alberta town. Salary \$700 per month and partnership in one year if mutually satisfactory. British or Canadian graduates preferred. Reply to Box 922, CMA Journal, 150 St. George Street, Toronto 5, Ontario.

LOCUM TENENS wanted for any period between now and December, 1960 for general practice in Alberta town of three thousand, with hospital. Salary—eight hundred dollars per month. Free accommodation possible for one or two people. Reply to Box 923, CMA Journal, 150 St. George St., Toronto 5, Ontario.

STATISTICIAN.—Opening September, 1960 for junior statistician to act as assistant, division of statistics and biometrics, department of laboratories, Toronto General Hospital. Write or telephone, Director of Laboratories, Toronto General Hospital, 101 College Street, Toronto, Ontario, EMpire 6-8211, Local 2108.

ASSISTANT REQUIRED FOR GENERAL PRACTICE in growing town of 20,000 which by July, 1960 will be a city of 50,000. Excellent hospital facilities. Salary \$650 monthly plus commission. Please reply stating age, qualifications, marital status to Box 135, Dartmouth, N.S.

WANTED.—ANÆSTHETIST, eligible for certification Scarborough General Hospital. Apply Dr. R. Hargrave, 693 McCowan Rd., Scarborough, Ontario.

PSYCHIATRISTS AND PHYSICIANS.—Kentucky Department of Mental Health has a progressive treatment programme for the mentally ill. To continue our programme and meet planned expansion, we need the services of psychiatrists and staff physicians at four state hospitals and in an expanding community services programme. Requirements—chief of medical staff and psychiatrists approved psychiatric training, plus three years' experience (D.Psy. preferred). Salary from \$10,344. Staff physicians medical degree and two years' experience including one year mental hospital training or experience. Salary from \$8940. Excellent retirement and leave benefits. Starting salary depends on experience and training. Send resume of training and experience to H. L. McPheeters, M.D., Commissioner, Department of Mental Health, 620 South Third Street, Louisville 2, Kentucky, U.S.A.

WANTED (SIX) FULL TIME HOUSE PHYSICIANS.—Short term general hospital 345-beds, 50 bassinets, rotating service, not approved for residency. Educational programme available. Large percent of medical staff faculty are members of medical school. Applicants must be graduates of approved medical schools of United States, Canada or England. Must have at least one year approved internship. Salary range \$8000-\$10,000 depending on qualifications and further training or experience. Apply to John Goldsborough, M.D., Director of Medical Education, Kentucky Baptist Hospital, Louisville 4, Kentucky.

PSYCHIATRIST to work with a group of psychiatrists and psychologists in a private clinic in central Ontario. Local population over 100,000. Should be fully certified or eligible for certification examinations and interested in practising adult psychotherapy and handling diagnostic referrals from physicians in the area. Opportunity to broaden work into other areas according to personal interests. Reply to Box 933, CMA Journal, 150 St. George Street, Toronto 5, Ontario.

WANTED.—RESIDENT PHYSICIAN for tuberculosis and geriatric hospital and in addition, for medical work in area chest clinics. Personnel practices are excellent. Apply to Medical Superintendent, The Freeport Sanatorium, Kitchener, Ontario, stating experience and salary desired.

OTOLARYNGOLOGIST.—Large central Ontario city near Toronto. E.E.N. & T. group. Good hospital facilities and working conditions. \$10,000 p.a. Minimum plus percentage. Reply to Box 934, CMA Journal, 150 St. George Street, Toronto 5, Ont.

WANTED.—GENERAL PRACTITIONER or internist willing to do general practice for group in Toronto. Good salary, excellent facilities, opportunity for partnership. Also part-time orthopaedic surgeon required. Reply to Box 935, CMA Journal, 150 St. George Street, Toronto 5, Ontario.

ASSISTANT WANTED.—Busy general practice, central Ontario town. Ultra-modern new offices, equipped with dispensary, x-ray and E.C.G. Salary \$650 a month and car allowance. Bonus end of one year. Lakeshore house available at nominal rental. Partnership if mutually satisfactory. Opportunity here to develop clinic with right man. Excellent schools. Well-equipped new open hospital nearby. Reply to Box 936, CMA Journal, 150 St. George Street, Toronto 5, Ontario.

DOCTOR WANTED.—General practice in northern Saskatchewan. Combined office and modern residence for rent. Well-equipped 23-bed hospital. Gravelled highway. Gross income \$18,500. Doctor's equipment and furniture may be purchased on easy terms. Reply to Secretary-Manager, Spiritwood Union Hospital, Spiritwood, Sask.

ASSOCIATE REQUIRED with a view to a permanent arrangement in a Toronto suburban practice. Good salary during initial trial period. Reply to Box 937, CMA Journal, 150 St. George Street, Toronto 5, Ontario.

WANTED.—Locum tenens for October 9th to 31st, 1960. Northwestern Ontario town. Salary \$450 per month plus furnished house, car also supplied if needed. Reply to Box 938, CMA Journal, 150 St. George Street, Toronto 5, Ontario.

Practices

EXPANDING GENERAL PRACTICE in Lake Nipissing area. Basically office practice in town of 900. Area population over 5000. One other doctor. Two open hospitals within twenty minutes' drive, plus three nursing homes in town. Fully equipped office, records, etc. \$2500. Present occupant specializing. Reply to Box 925, CMA Journal, 150 St. George Street, Toronto 5, Ontario.

SOUTHERN ONTARIO VILLAGE.—10 miles to hospital. Growing general practice, grossed \$43,000 in 1959. For sale for value of real estate and equipment—\$40,000. Will introduce 3 to 6 months. Specializing. \$10,000 down, balance to suit purchaser. Reply to Box 926, CMA Journal, 150 St. George Street, Toronto 5, Ontario.

DOCTOR'S HOUSE AND PRACTICE FOR SALE on main Toronto-Kingston highway. One other doctor in town. Modern hospital 15 miles. Well-built brick house and office combined, with very pleasant property, in attractive small town of 1400 with excellent surrounding rural area. Reasonable price. Reply to Box 927, CMA Journal, 150 St. George Street, Toronto 5, Ontario.

FOR SALE.—Large well-equipped general practice in suburban Toronto. Adequate for two doctors. Owner specializing. Available immediately. Reply to Box 915, CMA Journal, 150 St. George St., Toronto 5, Ontario.

HOUSE AND GENERAL PRACTICE FOR SALE in attractive village with large surrounding area in southern Ontario. Two open hospitals within short distance. Reasonable price. Owner leaving due to ill-health. Reply to Box 939, CMA Journal, 150 St. George Street, Toronto 5, Ontario.

PRACTICE WITH HOUSE FOR SALE in a large southern Ontario town. Beautiful location. Excellent hospital facilities. Introduction if desired, terms can be arranged. Owner specializing. Reply to Box 770, CMA Journal, 150 St. George Street, Toronto 5, Ontario.

Residencies and Internships

PATHOLOGY RESIDENCY.—705-bed hospital will have vacancy for first year resident July 1, 1960. Comprehensive 4-year programme supervised by 3 certified pathologists, modern laboratory facilities. Write E. M. Knights, M.D., Director, Pathology Department, Hurley Hospital, Flint 2, Michigan.

SENIOR INTERN in anaesthesia for one year beginning January 1st, 1961, salary \$2700. Address application to Superintendent, Sunnybrook Hospital, Toronto 12, Ontario.

ASSISTANT RESIDENTS IN RADIOLOGY beginning July 1st, 1960. Address application to Superintendent, Sunnybrook Hospital, Toronto 12, Ontario.

RESIDENCY AVAILABLE IMMEDIATELY, 1st year in OB & GYN in fully approved 3-year programme at a 191-bed general hospital with 43 bassinets; 2600 deliveries in 1959. \$220 stipend first year with full maintenance and medical care. Address inquiries to Dr. Norman Levin, Chief of Obstetrics, Lutheran Hospital of Maryland, Baltimore 16, Maryland.

NEW YORK CITY.—Residencies and internships available immediately and for 1961. 250-bed, ten story hospital. Integrated teaching programme, all branches medicine. Accepting men, women including married and/or engaged couples training together. Reply to Box 940, CMA Journal, 150 St. George Street, Toronto 5, Ontario.



NEW

the unique
anorexic agent
free of
CNS
stimulation

for the . . .

cardiac/hypertensive obese

New Tenuate provides an anorexic effect which assures appetite inhibition, free of CNS stimulation.¹⁻⁷ ECG studies⁸ prove Tenuate does not affect heart rate, blood pressure, pulse or respiration.

Weight loss with Tenuate averages 1.5 pounds per week.^{3,4} Resultant weight loss, by reducing the cardiac load, improves prognosis . . . and, frequently when hypertensives lose weight, blood pressure drops. Thus Tenuate fulfills an important medical need . . . weight loss in cardiac/hypertensive patients.

PROOF—SAFETY—ECG EVIDENCE⁸

Human I.V. Studies with Tenuate 10 mg., IV equiv. of 100 mg. oral dose (4 times recommended dose)

Patients	Sex	Age	Diagnosis	Blood Pressure		ECG	
				Before Inj.	After Inj.*	Control	After Inj.
E. M.	F	62	Diabetes mellitus. A.S.H.D., compensated. Obesity, postmenopausal.	125/54	116/52	Sinus rhythm. Nonspecific myocardial changes.	No change
F. S.	M	67	A.S.H.D., mild hypertension. Early congestive cardiac failure.	175/90	175/90	Sinus rhythm. Early LVH.	No change
M. A.	F	68	Essential hypertension. Degenerative osteoarthritis. Obesity.	207/104	194/98	Sinus rhythm. Normal tracing.	No change
S. G.	M	30	Normal subject.	126/74	122/78	Sinus rhythm. Normal tracing.	No change
D. A.	M	33	Normal subject.	112/80	121/90	Sinus rhythm. Normal tracing.	No change

*This represents the averages of the readings taken at 30-second and 1-minute intervals for 5 minutes prior to injection and 5 minutes after injection of the drug. The amount of fluctuation was considered insignificant.